

20030411.qrp v02_n887.qrl.20030411

Date: Fri, 11 Apr 2003 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2887

QRP-L Digest 2887

Topics covered in this issue include:

- 1) [148864] Photo's wanted please
by "Dick" <G0BPS@clara.co.uk>
- 2) [148865] History of QRP - Last Call!!
by "Dick" <G0BPS@clara.co.uk>
- 3) [148866] Re: Stupid Antenna Questions
by "W8TIF - Karl" <kkanalz@gcecis.com>
- 4) [148867] Protek D-930A on sale at Fry's Electronics
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 5) [148868] DSW-II firmware update
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 6) [148869] Re: Balanced Output QRP Rig?
by Steven Weber <kd1jv@moose.ncia.net>
- 7) [148870] FOX: Final Hound Pelt totals
by "Tom Palmer" <n1tp@swfla.rr.com>
- 8) [148871] FOX: FOX totals
by "Tom Palmer" <n1tp@swfla.rr.com>
- 9) [148872] Re: FS: New SWL PSK20 Kit SOLD!
by mjfitz@uswest.net
- 10) [148873] NA5N's E-mail Address
by "Ron Polityka" <wb3aal@fast.net>
- 11) [148874] Re: Wind up generator/ battery charger?
by "Nick Kennedy" <nkennedy@tcainet.net>
- 12) [148875] Icom IC-T90A or Icom ICT90E "Cloning" Software..
by "Andy GM0NWI" <gm0nwiqr@btopenworld.com>
- 13) [148876] Re: VW Solar panel voltage variation
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 14) [148877] QRP-L: Re: /QRP v. /Q
by Monty N5ESE <n5ese@io.com>
- 15) [148878] Re: [QRPp-I] Balanced Output QRP Rig?
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 16) [148879] [CONTEST] N2CQ QRP Contest Calendar Apr 12-30
by "Ken Newman" <N2CQ@Dandy.Net>
- 17) [148880] Re: Stupid Antenna Questions
by "Nick Kennedy" <nkennedy@tcainet.net>
- 18) [148881] LP beam
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 19) [148882] Feeding the LP TV antenna for 6 and 2

- by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 20) [148883] FS: WM1 Computing Deluxe Power/SWR Meter
by Brian Short <bshort4@cox.net>
- 21) [148884] Fw: Forever Flashlight Home Page
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 22) [148885] Spring QSO Party - last reminder
by Randy Foltz <rfoltz@turbonet.com>
- 23) [148886] Minimum power for skip
by Paul VandenBosch <cruisenewsnet@yahoo.com>
- 24) [148887] Re: DSW-II - preliminary info
by "Rod N0RC" <rod@n0rc.us>
- 25) [148888] Re: DSW-II firmware update
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 26) [148889] KG6MGJ campsite operation
by Mike Seiffert & Lorene Samoska <samsei@earthlink.net>
- 27) [148890] Re: Minimum power for skip
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 28) [148891] Re: DSW-II firmware update
by "Mike Yetsko" <myetsko@insydesw.com>
- 29) [148892] FOX: Totals - most pelts given out - single hunt
by "Tom Palmer" <n1tp@swfla.rr.com>
- 30) [148893] Re: Minimum power for skip
by "Steve Yates - AA5TB" <aa5tb@arrl.net>
- 31) [148894] Re: DSW-II firmware update
by David Hinerman <WD8CIV@worldnet.att.net>
- 32) [148895] dxwatch on the web
by "Heimo J. Lyden" <fg5vij@golfinho.com>
- 33) [148896] Re: DSW-II - preliminary info
by "W8TIF - Karl" <kkanalz@gcecispc.com>
- 34) [148897] ARKICON 2003
by robert conley <kc5wa-qrp@juno.com>
- 35) [148898] Re: DSW-II firmware update
by "Lee Mairs" <lmairs@direcway.com>
- 36) [148899] 38 Special QSO
by "Jerry Felts" <nr5a@rap.midco.net>
- 37) [148900] Re: DSW-II - preliminary info
by Alex <kr1st@amsat.org>
- 38) [148901] Re: DSW-II firmware update
by Dave Hottell <hottell@gulftel.com>
- 39) [148902] RE: DSW-II firmware update
by "Boulineau, Lee" <lee.boulineau@attws.com>
- 40) [148903] Can I build/fix a rig for you?
by "Rod N0RC" <rod@n0rc.us>
- 41) [148904] Re: ARKICON 2003
by "George, W5YR" <w5yr@att.net>
- 42) [148905] Arkiecon
by robert conley <kc5wa-qrp@juno.com>
- 43) [148906] Re: Can I build/fix a rig for you?

by "Mike Yetsko" <myetsko@insydesw.com>
44) [148907] Min. power for skip; DX tricks;
by "sslyon" <sslyon@megalink.net>
45) [148908] Re: Can I build/fix a rig for you?
by "Rod N0RC" <rod@n0rc.us>
46) [148909] re: ARKICON correct URL
by Ken Hopper N9VV <n9vv@wideopenwest.com>
47) [148910] RE: Can I build/fix a rig for you?
by "Doc K0EVZ" <dock0evz@earthlink.net>
48) [148911] Re: DSW-II - preliminary info
by Steve.Lawrence@ITWFEG.COM
49) [148912] Re: DSW-II firmware update
by "John J. McDonough" <wb8rcr@arrl.net>
50) [148913] Re: Can I build/fix a rig for you?
by "Rod N0RC" <rod@n0rc.us>
51) [148914] What is the AA1MY "SPADDLE" key
by "Brockwell, Stephen E. CECOM SEC FSSE GPI"
<steve.brockwell@us.army.mil>
52) [148915] [re]Can I build a rig for you
by "Doc K0EVZ" <dock0evz@earthlink.net>
53) [148916] Re: DSW-II firmware update
by "George, W5YR" <w5yr@att.net>
54) [148917] Re: DSW-II firmware update
by "Mike Yetsko" <myetsko@insydesw.com>
55) [148918] Re: DSW-II firmware update
by Bob Nielsen <nielsen@oz.net>
56) [148919] Re: DSW-II firmware update
by Steven Weber <kd1jv@moose.ncia.net>
57) [148920] Re: Min. power for skip; DX tricks;
by Dave Hottell <hottell@gulftel.com>
58) [148921] Re: What is the AA1MY "SPADDLE" key
by Steven Weber <kd1jv@moose.ncia.net>
59) [148922] OT: MS Word question...
by Ed Tanton <n4xy@earthlink.net>
60) [148923] Re: DSW-II firmware update
by Gary Halpern <gary.halpern@sympatico.ca>
61) [148924] Re: DSW-II firmware update
by "John J. McDonough" <wb8rcr@arrl.net>
62) [148925] Re: Min. power for skip; DX tricks;
by <ah7i@atl.org>
63) [148926] OT - Re: MS Word question...
by Ed Tanton <n4xy@earthlink.net>
64) [148927] Re: DSW-II firmware update
by Nelson Winter <thenels@go.com>
65) [148928] Re: DSW-II firmware update
by "Mike Yetsko" <myetsko@insydesw.com>
66) [148929] Re: DSW-II firmware update -- Keyer
by Steve.Lawrence@ITWFEG.COM

- 67) [148930] Re: Can I build/fix a rig for you?
by "Rod NØRC" <rod@nØrc.us>
- 68) [148931] The "QRP-Canada RUN WITH RAC" operating event.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 69) [148932] Three Heath HW-8s for auction on eBay
by Mike Czuhajewski <wa8mcq@comcast.net>
- 70) [148933] Re: Min. power for skip; DX tricks;
by "sslyon" <sslyon@megalink.net>
- 71) [148934] OT - Re: MS Word question...
by Ed Tanton <n4xy@earthlink.net>
- 72) [148935] Re: Minimum power for skip
by Larry Cahoon <lejek@erols.com>
- 73) [148936] American Circuits and other board houses
by Jerry Haigwood <w5jh@swlink.net>
- 74) [148937] UPDATE: Re: Can I build/fix a rig for you?
by "Rod NØRC" <rod@nØrc.us>
- 75) [148938] FS: Keyer
by "John" <jdorson@worldshare.net>
- 76) [148939] Re: OT - Re: MS Word question...
by Steve.Lawrence@ITWFEG.COM
- 77) [148940] RE: Minimum power for skip
by "Boulineau, Lee" <lee.boulineau@attws.com>
- 78) [148941] Plans for the AA1MY SPADDLE
by Steven Weber <kd1jv@moose.ncia.net>

Date: Thu, 10 Apr 2003 21:19:38 +0100
From: "Dick" <GØBPS@clara.co.uk>
To: <qrp-1@lehigh.edu>, <GQRP@yahoogroups.com>
Subject: [148864] Photo's wanted please
Message-ID: <001301c2ffa3\$bf9b18c0\$dc4d08c3@main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Guys,

I am looking for some digital photo's for the book.

Does anyone have a picture of any of the following that I might use.

Index Labs QRP Plus
SG-2020
MFJ single band rigs

Please send to me at GØBPS@clara.co.uk

Thanks...

Dick Pascoe G0BPS
Vice President QRP-ARCI.
SSB & Data manager G-QRP Club

Do you Yahoo? My Messenger ID is G0BPS

All mail from me is checked by Norton
before posting and is (hopefully) Virus Free.

Date: Thu, 10 Apr 2003 19:49:06 +0100
From: "Dick" <G0BPS@clara.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [148865] History of QRP - Last Call!!
Message-ID: <001201c2ffa3\$bf226650\$dc4d08c3@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

The book goes to bed Sunday 13th April.

If your QRP club is not on the list below I don't have it in the book.
I got several references to web sites that were extremely difficult to
get the info on.

If you gave me your favourite web site like this I couldn't get enough
to make it stick.

Please write a hundred words or so on your favourite
club / society and mail it to me by Saturday midnight GMT..

I am especially missing: EA-QRP
and any other national clubs.

Please do NOT just point me at another web site. If you would like YOUR
favourite club included FREE put together a couple of hundred words and
send it to me by Sunday!

The list so far:

ARCI,
G-QRP
NorCal
Benelux
N Virginia
Little Thunder
Az ScQRPions
Michigan
Australian CW ops
Virginia
QRPP International (not a lot)
Radio Active & Camping
NorTex
Calgary Alabama
SW Ontario
Colorado
Columbus Ohio
Four State
Alaska QRP
Greater Piedmont
Adventure Radio Society

If you are not on this list YOU ARE MISSING!!!

Many thanks to all who have given me so much info so far
The book is currently running to over 70 pages of class stuff.

It will first show at Dayton 2003.

Dick Pascoe G0BPS
Vice President QRP-ARCI.
SSB & Data manager G-QRP Club

Do you Yahoo? My Messenger ID is G0BPS

All mail from me is checked by Norton
before posting and is (hopefully) Virus Free.

Date: Thu, 10 Apr 2003 16:00:29 -0500
From: "W8TIF - Karl" <kkanalz@gcecisp.com>
To: <n4xy@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [148866] Re: Stupid Antenna Questions
Message-ID: <014c01c2ffa4\$386b9810\$981a0ed0@HamShack>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Edderd wrote:

----- Original Message -----

From: "Ed Tanton" <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, April 10, 2003 2:38 PM
Subject: Re: Stupid Antenna Questions

> Hi Dave... I'll have a go at this...
>
> 1) Higher SWR might cause increased current-but the opposite can also
> occur... so it's just not that good a yardstick for antenna performance.
>
> 2) The tuner goes on the rig side-how else could you tell when the tuner
> was tuned.
>
> 3)Typical SWR bridge losses are not that big a deal. As long as you're
> making an antenna, get it at-or below-1.5:1 and quit worrying about it. If
> you're not planning on operating multi-band, you don't need the tuner with
> a 'regular' coax-fed, full-sized antenna. If you plan to use the
> twin-lead/etc. feedline, or operate on more than one band, use the tuner.
>
>
>
> 73 Ed Tanton N4XY <n4xy@earthlink.net>

I think you asked about where the VSWR "Meter" would go: It goes BETWEEN the rig's output and the input of the antenna tuner (keep those leads s-h-o-r-t !), so you can see that you've adjusted the "antenna tuner" to present a 50-ohm load to the transmitter (or minimum VSWR).

Otherwise, Ed's advice is correct -- that is, if your antenna is going to be single-banded, then just trim it for minimum VSWR. If you intend to use it as multi-band, then you'll need the "antenna tuner" (to obtain a conjugate match!).

Karl K - W8TIF
McKinney, Texas

Date: Thu, 10 Apr 2003 13:12:00 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [148867] Protek D-930A on sale at Fry's Electronics
Message-ID: <5.1.1.6.0.20030410130227.00b3a928@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Yesterday I was down in Phoenix AZ for the weekly trip.

I stopped in a Fry's Electronics and I noticed that the Protek D-930A pocket digital multimeter was on sale at \$9.90. The regular price on this puppy is normally \$29.90, so it was quite a savings. I already had one of these puppies in the workshop on the workbench. So I got a spare just in case. :-)

Here are the specs:

1. 500hrs of operation on two AAA batteries
2. Internal impedance in the range of 10M ohms (I measured this myself).
3. 3 1/2 digit display with auto ranging.
4. Data hold function when you need the meter to "lock" and you read it later.
5. Handy for carrying to swapfests and checking stuff.

I do not know if all Fry's Electronics stores have these on sale and I don't know why the Phoenix store (Baseline Rd) had these all on sale at this price. I suspect it is a phase out price, so mileage may vary. If you have a Fry's locally, then you may want to give them a call to see if they have them in stock at this price.

FYI

Chuck Adams, K7QO
<http://www.qsl.net/k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Thu, 10 Apr 2003 13:32:05 -0800
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [148868] DSW-II firmware update
Message-ID: <5.1.1.6.0.20030410131214.00b8bd30@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I got from Dave Benson, K1SWL, the latest version of the firmware for the DSW-II.

1. The default start up speed is now 20 WPM. No more of the slow stuff.
Thanks Dave for doing this. I'd like to see 20WPM adopted as the standard
by all the kit mfgs as 17WPM is entirely too slow.
2. The tip of the stereo paddle connection is now the dit to conform to the "standard" used by rigs like the TenTec Argo V etc. And if some one has their paddle wired differently then the "R" function can be used to reverse the set up.

A question for the digital DDS experts in the group. If one is interested in experimenting are there any IC versions from any manufacturer that has a DIP (PTH) version available to prototype with? Inquiring minds want to know. There are some of us that are getting too old to work with the smaller parts to prototype with.

Dave has put the manual on line for the DSW-II and you can see what an excellent job he has done in producing another fine rig in the long line of work that he has done.

FYI

Chuck Adams, K7QO
<http://www.qsl.net/k7qo>
Moving to Arizona? ---- Please bring your own water.

Date: Thu, 10 Apr 2003 17:52:41 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: w0jrm@arrl.net
Cc: qrp-1@lehigh.edu
Subject: [148869] Re: Balanced Output QRP Rig?
Message-ID: <3.0.6.32.20030410175241.007d5100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Can anyone point me to schematics for a solid-state QRP rig with a
>balanced output?

If you mean one which you can directly connect a balanced feed line to, I don't believe such a beast exists. (but then, I've been wrong before..) You will need a balun or transformer, preferably as part of a tuner so you can adjust for proper match.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 10 Apr 2003 18:23:12 -0400
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148870] FOX: Final Hound Pelt totals
Message-ID: <000501c2ffaf\$c6689ea0\$cb350843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Marshall, N1FN, has posted FINAL pelt totals from the Winter 2002-2003 hunting season. Two hounds batted 1000 (40 pelts). Both are - guess what? -Pesky Texans: W5USJ and KK5LD. Both have also done exceptionally well throughout past hunting seasons. Them Pesky Texans ARE hard to beat!

Tom, N1TP
Naples, Florida

Date: Thu, 10 Apr 2003 18:34:56 -0400
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148871] FOX: FOX totals
Message-ID: <000501c2ffb1\$6a6826a0\$cb350843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Most pelts given out - 2 hunts combined:

K4FB - 250*
N2WW - 243
WD7Z - 240

* Paul is one relaxed operator! Talk about making CW look SO
easy.

Most pelts in 1 hunt:

N0UR and K4FB - 132 pelts each!

Congratulations!

Tom, N1TP
Naples, Florida

Date: Thu, 10 Apr 2003 18:09:41 -0500
From: mjfitz@uswest.net
To: qrp-1@Lehigh.EDU
Subject: [148872] Re: FS: New SWL PSK20 Kit SOLD!
Message-ID: <3E95F9B5.34E21C16@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

PSK20 rig sold. Thanks for your interest. MF

Date: Thu, 10 Apr 2003 19:24:52 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [148873] NA5N's E-mail Address
Message-ID: <02d201c2ffb8\$663b1a90\$2bf25cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Anyone have Paul's, NA5N, current e-mail address??

Thanks,
72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Thu, 10 Apr 2003 18:37:25 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <ke4itn@corrcomm.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148874] Re: Wind up generator/ battery charger?
Message-ID: <00ce01c2ffca\$ea5e23f0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Larry,

Probably possible, but I'm not sure how much you'd gain.

Essentially, you're storing a bunch of energy in the spring in a short time, then transferring it to the battery over a longer period of time.

It's possible you'd put slightly more energy into the battery in this way, as opposed to just dumping it all into the battery at once, but I doubt that

you'd get payback on the complexity.

A discharged battery can be charged at a surprisingly high rate.

72--Nick, WA5BDU

----- Original Message -----

From: "Larry Sorrow" <ke4itn@corrcomm.net>

> Maybe I am way out there in left field (I usually am).
> Has any one ever given any thought of a spring driven wind up battery
> charger, to charge say a small gel cell battery in the field? The thought
> would be to charge one battery while opearting from the other. I am far
from
> a mechanical engineer but is it possible?
>

Date: Fri, 11 Apr 2003 00:53:35 +0100
From: "Andy GMONWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148875] Icom IC-T90A or Icom ICT90E "Cloning" Software..
Message-ID: <000501c2ffbc\$678af650\$055bfea9@GMONWILAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's.....

Hope that you are all well.... and looking forward to some "Great Outdoor"
operating, as we near again,
the "summer season" of this year...

Was just wondering, if anyone could help me aquire a piece of "Ham Software"
that I need to get my new
"handi-talkie" goin' in a "cloning" situation....

I recently bought, an "Icom T90E" handie-talkie, from a local ham here in
the UK,alas it was without
the "cloning software", that is sometimes needed to go along with it..

If anyone has a website, or knows of anyone who might be able to help, me
aquire such software for my
new rig,....please e-mail me off list to the e-mail address below....

Thanks guys....."y'all take care now.." lets hope I get a positive response,
as usual to this enquiry....

" Greetings From Bonnie Scotland..."

gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Thu, 10 Apr 2003 19:11:24 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "Bill Meara" <n2cqr@clix.pt>

Cc: <qrp-l@Lehigh.EDU>

Subject: [148876] Re: VW Solar panel voltage variation

Message-ID: <004d01c2ffbe\$e36bd800\$4e100a0a@rohredt2000>

These VW panels are not to be left out in the weather. The cups were for
their use behind a pane of glass, such as the windshield of a car.

This is not too much of a hassle, as you probably will not be charging
batteries except in sunny weather.

72,

Stuart K5KVH

Date: Thu, 10 Apr 2003 19:21:05 -0500

From: Monty N5ESE <n5ese@io.com>

To: "Jim N0UR" <n0ur@attbi.com>, qrp-l@Lehigh.edu, AQR@yahoogroups.com

Subject: [148877] QRP-L: Re: /QRP v. /Q

Message-ID: <5.2.0.9.1.20030410185041.00a23af0@mail.io.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 19:03 04/10/2003 -0400, Jim NOUR wrote:

>For what its worth. I always sign /qrp when CQing. Many have stopped by
>just to give me a signal report on my qrp signal.

I'm 100% with Jim on this one. I'm about 99% QRP (and CW, too). Here's
why I sign /QRP when calling CQ:

1. When I'm tooling up and down the band looking for CQs, my presumption is that most of the signals are coming from 100-watt class transmitters. If the 100-watters have medium or marginal signals, it's reasonable to expect QRP signals will be way down in the noise. So, if I hear a weak CQ, and I call him using QRP, chances are he's not going to hear me. No biggee - we QRPers get used to it - but remember, that this is exactly what the guy running 100W is thinking, too. He hears a weak CQ, stops to listen to the call (in case it's DX), and then passes it by, thinking "he probably won't hear me". BUT!!! If the station calling signs "/QRP", all of a sudden he's thinking "if I can hear the QRP signal this well, he'll hear me even better" - and he calls! Without the "/QRP", you'll send a lot more unanswered CQs.

2. Now, if the guy listening is also QRP, he'll trip all over himself to answer the weakest CQ - IF HE KNOWS IT's QRP - because none of us can resist a 2-way QRP QSO, no matter how rough it is HI HI... 'fess up, you know it's true...

3. When answering a CQ, I don't send /QRP unless the station calling signed /QRP. Most people answer the loudest station, and there's not a lot you can do about that.

4. DX is another matter... I don't chase DX, but I get it occasionally when somebody calls saying they heard me say I was QRP. So, it probably doesn't hurt to sprinkle in a /QRP once in a while, as long as you're not contributing to QRM in a pileup. The DXers, like you, enjoy bragging about copying a QRP station; it exemplifies their own receiving skills.

As for legality, I think a previous message that quoted chapter and verse from FCC Part 97 made it pretty clear that "/QRP" is PERFECTLY PERMISSABLE.

What I do is take the "middle road" when calling CQ. I sign /QRP on the first round, then NOT on the second round, like so:

CQ CQ CQ DE N5ESE N5ESE/QRP
CQ CQ CQ DE N5ESE N5ESE N5ESE K

Here, you see, even if some FCC Monitor or OO gets erroneously bent-out-of-shape (I'd be very surprised), the last call I signed was clean

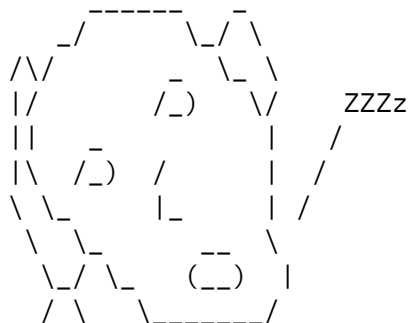
as a whistle.

This technique has worked very well for me for over 25 years.

72,
monty N5ESE

'Not all Texans are crazy ... some are just plain LOCO ...'
(and you know the one I'm talking about ;-)

Monty Northrup, N5ESE (ex-N5FC)
Austin, Texas
e-mail: n5ese@io.com
web page (ham): <http://www.dit-dididit-dit.com>
web page (home): <http://www.io.com/~maddog>



Date: Thu, 10 Apr 2003 19:22:07 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<fpqrp-l@fpqrp.com>, <qrpp-i@yahoogroups.com>,
Subject: [148878] Re: [QRPP-I] Balanced Output QRP Rig?
Message-ID: <002c01c2ffc0\$631501c0\$4e100a0a@rohredt2000>

Mostly this would be tube transmitters like the Sandwich Box transmitter.
Those with a parallel cap and coil for final tube, and link coupling over
that coil at the supply end.

Most transistor designs are single ended. Just google search on QRP
transmitter and you will find lots of hits.

72
Stuart K5KVH

Date: Thu, 10 Apr 2003 20:36:09 -0400
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "N4SO" <N4SO@Juno.com>, "Norm Into" <normk8ni@neo.rr.com>,
"W3BG" <W3BG@arrl.net>, "NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [148879] [CONTEST] N2CQ QRP Contest Calendar Apr 12-30
Message-ID: <005e01c2ffc2\$5cc64070\$c3e980d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
April 12-30, 2003  
~~~~~

QRP ARCI Spring QSO Party (CW)QRP Contest!!!
Apr 12 - 1200z to Apr 13 - 2400z
Rules: <http://personal.palouse.net/rfoltz/arci/arctst.htm>
~~~~~

Georgia QSO Party (CW/SSB) ... QRP Category  
Apr 12 - 1800z to Apr 13 - 0359z  
Apr 13 - 1400z to Apr 13 - 2359z  
Rules: <http://gqp.contesting.com>  
~~~~~

UBA Spring Sprint (80m SSB) ... QRP Entries Noted
Apr 13 - 0600z to 1100z
Rules: <http://www.sk3bg.se/contest/ubasprc.htm>
~~~~~

The TARA Wakeup PSK31 Rumble (Digital) ... QRP Category  
Apr 19 0000z to 2400z  
Rules: <http://www.qsl.net/wm2u>  
~~~~~

Estonian (ES) Open HF Championship (CW/SSB) (80 & 40) ...QRP Category
Apr 19 - 0500z to 0859z
Rules: <http://www.sk3bg.se/contest/esopen.htm>
~~~~~

GACW CW DX Contest (Samuel Morse CW Party) ... QRP Category  
Apr 19 - 1200z to Apr 20 - 1200z  
Rules: <http://gacw.no-ip.org>  
~~~~~

Michigan QSO Party (CW/SSB) ...QRP Category
Apr 19 - 1600z to Apr 20 - 0400z

Rules: <http://www.miqp.org/>

~~~~~  
Ontario QSO Party (CW/SSB) ... QRP Category

Apr 19 - 1800z to Apr 20 - 1800z

Rules: <http://www.odxa.on.ca/oqprules.html>

~~~~~  
Low Power Spring Sprint (CW) ... QRP Category

Apr 21 - 1400z to 2000z

Rules: <http://www.arrl.org/contests/months/apr.html>

~~~~~  
Helvetia Contest (CW/SSB) (Swiss) ... QRP Category

Apr 26 - 1300z to Apr 27 - 1300z

Rules: [http://www.uska.ch/html/en/index\\_e.htm](http://www.uska.ch/html/en/index_e.htm)

~~~~~  
QRP To The Field (CW) ... QRP Contest!!

Apr 26 - 1500z - 2400z (Pick any 6 hours)

Rules: <http://www.norcalqrp.com/>

~~~~~  
Florida QSO Party (CW/Phone) ... QRP Category

Apr 26 - 1600z to Apr 27 - 0159z and

Apr 27 - 1200z to 2159z

Rules: <http://www.qsl.net/fqp/>

~~~~~  
Nebraska QSO Party (CW/SSB) ... QRP Category

Apr 26 - 1700z to Apr 27 - 1700z

Rules: <http://www.qsl.net/hdxa/neqso/index.htm>

~~~~~  
Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

<http://www.qsl.net/cqrp/contests.html>

-----

Date: Thu, 10 Apr 2003 19:39:07 -0700  
From: "Nick Kennedy" <nkennedy@tcainternet.com>  
To: <hochfeld@rci.rutgers.edu>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [148880] Re: Stupid Antenna Questions  
Message-ID: <00e601c2ffd3\$890650b0\$0400000a@wa5bdu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "David Hochfelder" <hochfeld@rci.rutgers.edu>

>  
> (1) Does current drawn from the power supply decrease with decreasing  
> SWR? In other words, does lower current drawn by the rig indicate that  
the  
> antenna is more efficient? Or is it the other way around, that higher  
> current from the power supply means that the antenna is radiating more  
power?

I don't think you could predict it from any fundamental principles. I've  
had a rig that would go into self oscillation and trip its P/S breaker with  
certain bad loads; but that was just THAT rig.

>  
> (2) I have in mind using the NJ QRP Balanced Line Tuner and a Radio Shack  
> SWR meter I picked up for \$7 on sale along with a dipole fed by  
> twin-lead. Does it matter in which order the tuner and SWR meter are  
> placed? Should the tuner go on the antenna side or rig side relative to  
> the SWR meter?

SWR meter between the rig and the tuner. Because the tuner only creates a  
low SWR condition between the TX and itself. The SWR between tuner and  
antenna is the same as it would be with no tuner. (Don't lose sleep  
worrying about that, though.)

>  
> (3) What's the insertion loss for a typical SWR meter? For QRP purposes,  
> should I focus on getting the antenna perfect, or is it OK to use a  
> reasonably decent antenna with a tuner and meter?

Insertion loss for the meter is low. Don't worry about it's effect; it will  
be negligible.

It's just fine to use a reasonably decent antenna with tuner and meter. And

"antenna perfect" doesn't equate to one that gives a 1:1 SWR with no tuner anyway. Antenna performance is often (not always) independent of SWR on its feeder.

72-

Nick, WA5BDU  
Russellville, Arkansas  
<http://www.tcainternet.com/wa5bdu/>

-----  
Date: Thu, 10 Apr 2003 19:39:17 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <ve3ab@mail.mondenet.com>, <qrp-1@Lehigh.EDU>  
Subject: [148881] LP beam  
Message-ID: <00d601c2ffc2\$c8c0ebe0\$4e100a0a@rohredt2000>

Earl, remember a log periodic may not have the gain of a Yagi. It gives this up for coverage of wider and continuous frequency bands outside the ham bands. Thus,  
It might also give you a lot of signals that will overload the front end of the radio, if the front end is broad as many dual band radios are.

It should be possible, since TV antennas have to cover Ch. 2 near 6m, and cover channel 7 up which is above 2m.

72,  
Stuart K5KVH

-----  
Date: Thu, 10 Apr 2003 19:43:06 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <ve3ab@mail.mondenet.com>, <qrp-1@Lehigh.EDU>  
Subject: [148882] Feeding the LP TV antenna for 6 and 2  
Message-ID: <00de01c2ffc3\$51411300\$4e100a0a@rohredt2000>

Earl,  
I forgot to add, for the feed, it might be possible to build a balun covering 6 and 2, after all baluns for 7 to 30 MHz at HF are made.

You might also just feed with quarter wave transformer for 2m on one feed line and one for 6m and another feedline. Each would give its 4:1 step up for its band. Some capacitance effects might result from the two in

parallel, however. TV baluns definitely will not work for transmitting.  
72,  
Stuart

-----  
Date: Thu, 10 Apr 2003 19:51:28 -0400  
From: Brian Short <bshort4@cox.net>  
To: Low Discussion <qrp-l@Lehigh.EDU>  
Subject: [148883] FS: WM1 Computing Deluxe Power/SWR Meter  
Message-ID: <58C0F3B2-6BAF-11D7-B86F-00306543B616@cox.net>  
Mime-Version: 1.0 (Apple Message framework v551)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

WM1 Computing Deluxe Power/SWR Meter  
1.8 to 50 MHZ  
Automatically Computes SWR  
No Adjustments or Cross Needles  
Peak or Average  
1 watt to 2000 watts

Computing wattmeter with two meters, one for continuous SWR display.  
Pictured on page 152 April QST and <http://www.autekresearch.com>  
Scales 20, 200, and 2000 watts. Sells for \$149.95 new.  
\$100 shipped.

Trades for unbuilt QRP kits etc considered.

--

See my web page: <http://www.k7on.com>

-----  
Date: Thu, 10 Apr 2003 19:52:15 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-l@Lehigh.EDU>  
Subject: [148884] Fw: Forever Flashlight Home Page  
Message-ID: <00fe01c2ffc4\$981ff7e0\$4e100a0a@rohredt2000>

Subject: Forever Flashlight Home Page

> Now here are some field lights for log keeping:  
>

> <http://www.foreverflashlight.com/special/>  
>  
"Shake and bright"

72, Stuart

-----  
Date: Thu, 10 Apr 2003 18:16:37 -0700  
From: Randy Foltz <rfoltz@turbonet.com>  
To: qrp1\_post <qrp-1@lehigh.edu>  
Subject: [148885] Spring QSO Party - last reminder  
Message-ID: <3E961775.1C729866@turbonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a few more hours now before the start of the QRP ARCI Spring QSO Party. Lots of stations on the air ready for a short contest QSO. This contest and the Fall one have the most QRP stations active for any single QRP contest, so don't miss out.

When: April 12 1200 Z through April 13 2400 Z.  
Where: Standard HF QRP frequencies on 80, 40, 20, 15, and 10 m.  
Contest exchange: RST, SPC (state, province, or country), and ARCI member number or power level  
Multipliers: Total of all states, provinces, and countries on each band.  
Power Mult: 15x for 0 to 250 mW; 10x for > 250 mW to 1 W; 7x for > 1 W to 5 W; 1x for > 5 W  
QSO Points: 5 for each member, 2 for each non-member on same continent, 4 for each non-member on different continent.  
Score: QSO points X mults X power mult

Full details at  
<http://personal.palouse.net/rfoltz/arci/spring.htm>

Top scores in each state at  
<http://personal.palouse.net/rfoltz/arci/alltspr.htm>

Use the High Claimed Score Form at  
<http://personal.palouse.net/rfoltz/form.htm> to send me your summary, then send me a copy of your log to

rfoltz@turbonet.com Check the High Claimed Scores page at  
<http://personal.palouse.net/rfoltz/arci/highclm.htm> each  
night after 9 PM PDT to see how others have done.

--

73,  
Randy, K7TQ  
Moscow, ID  
QRP ARCI Contest Chairman

-----

Date: Thu, 10 Apr 2003 19:17:40 -0700 (PDT)  
From: Paul VandenBosch <cruisenewsnet@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [148886] Minimum power for skip  
Message-ID: <20030411021740.64505.qmail@web20913.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

What is the minimum power that an HF transmitter needs  
to use skywave skip? Obviously this depends on  
conditions.

In optimal conditions, with an excellent antenna, what  
do you think the minimum power is that will get a  
receivable signal back to earth?

In average conditions, what is the minimum qrp power  
that you can expect to run skip with?

KC8WBK

-----

Do you Yahoo!?  
Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your desktop!  
<http://platinum.yahoo.com>

-----

Date: Thu, 10 Apr 2003 20:38:44 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: <nn1g@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148887] Re: DSW-II - preliminary info  
Message-ID: <004c01c2ffd3\$79297e60\$6401a8c0@Sherman>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I looked at the webpage, studied the rig....

WOW! Very Cool!

Can't wait to get one. But dang, birthday is over and Xmas is far far away!

73 Rod, N0RC

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, April 10, 2003 12:09 PM  
Subject: KITS: DSW-II - preliminary info

...  
> I've put preliminary information up on my website at  
> [http://smallwonderlabs.com/swl\\_dsw.htm](http://smallwonderlabs.com/swl_dsw.htm)  
>  
...

-----  
Date: Thu, 10 Apr 2003 20:44:45 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <k7qo@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [148888] Re: DSW-II firmware update  
Message-ID: <008001c2ffdc\$b20a4260\$6f8db2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Chuck Adams asked:

> A question for the digital DDS experts in the group. If one is  
> interested  
> in experimenting are there  
> any IC versions from any manufacturer that has a DIP (PTH) version  
> available to prototype  
> with? Inquiring minds want to know. There are some of us that are



getting  
> too old  
> to work with the smaller parts to prototype with.

No, unfortunately not. They are all SMD packages (unless there is some company out there that I'm not aware of). The one thing that might work is to make an SMD to DIP adapter PCB (I think that Leon Heller did this and may have them available?), but you may introduce some negative side effects by having long traces to some of those pins. The other option would be to have a small PCB that had the DDS chip and all supporting components on it with a header that you could plug into a proto board or incorporate into your own design. Could be VERY small. I thought about doing this at one time, but didn't think there would be enough interest.

BTW Gang, speaking of DDS's check out the new ADI AD995X series chip on their web site sporting a 14 bit DAC!!!! Anyone have samples yet? Sure would like to know how far down the spurs are now if anyone has looked on an analyzer ;-)

73's Trev KG6CYN  
<http://www.qsl.net/kg6cyn>

-----  
Date: Thu, 10 Apr 2003 21:46:14 -0700  
From: Mike Seiffert & Lorene Samoska <samsei@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [148889] KG6MGJ campsite operation  
Message-ID: <3E964896.97180CD1@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all -  
I'm going on a short backcountry ski trip this weekend in the Eastern Sierra (California). I'll try to make a few contacts from my campsite Saturday night, maybe around 9pm (CA time), with my Norcal 40A somewhere in the vicinity of 7.040. I'll be using a (very low) dipole. I'd be much obliged if anyone could listen for me. WARNING: I've been a ham less than a year, and my code is slow and my operating is somewhat shaky!  
Cheers,  
Mike, KG6MGJ

-----

Date: Fri, 11 Apr 2003 01:42:38 -0500  
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>  
To: cruisenewsnet@yahoo.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148890] Re: Minimum power for skip  
Message-ID: <200304110642.AA01093@bolshoi.cc.misu.nodak.edu>  
Content-Type: text/plain  
Mime-Version: 1.0 (NeXT Mail 4.2mach\_patches v148.2)

Paul VandenBosch <cruisenewsnet@yahoo.com> writes:

>What is the minimum power that an HF transmitter needs  
>to use skywave skip? Obviously this depends on  
>conditions.  
>

Right you are, but that's only *\*part\** of it. Also depends on what band, time of day, where we're at in the sunspot cycle, antenna setup at each end of the path, SSB/CW/Digital, how many "hops" between the stations, etc.

>In optimal conditions, with an excellent antenna, what  
>do you think the minimum power is that will get a  
>receivable signal back to earth?  
>

A CW station with a big time antenna system, given otherwise excellent band conditions *\*ought\** to be able to work another like-equipped station on the other side of the globe with a few milliwatts, maybe less. On SSB, maybe a few tens of milliwatts, give or take, but we're talking an *\*optimally\** equipped set of stations, and excellent conditions.

>In average conditions, what is the minimum qrp power  
>that you can expect to run skip with?  
>

One-hop F-layer skip (i.e. inside the US and Canada) on the right band for prevailing conditions, and assuming an "average" antenna setup, I would say somewhere between 100-250 mW on CW, and somewhere around a watt on SSB. Should be able to work out to around 1500 miles or so at these power levels with *\*some\** regularity, especially in the case of CW. At times, you may be able to work double that distance.

Now, assuming you're new to both Amateur radio *\*and\** QRP, I would suggest that you might want to stick to somewhere around 4-5W for starters. The less power you run, the less your

odds of hooking up with another station, all things being equal, and there *\*is\** a learning curve as far as telling what you *\*can\** and *\*can't\** work at milliwatt power levels. Can be quite frustrating at times. Also, if you're not interested in CW, you really *\*need\** to run at least 4-5W so as not to be entirely frustrated, especially with a modest antenna system. You can make *\*plenty\** of contacts at the 4-5W level, SSB or CW, out to sometimes amazing distances if everything is right. And, if conditions seem good, you can always turn the power down from there and see what you can do! :-)

Hope this helps!

72/73,

Todd, AG0T

-----  
Date: Fri, 11 Apr 2003 06:32:22 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <k7qo@earthlink.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148891] Re: DSW-II firmware update  
Message-ID: <006d01c30015\$c72c7a80\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> A question for the digital DDS experts in the group. If one is  
> interested  
> in experimenting are there  
> any IC versions from any manufacturer that has a DIP (PTH) version  
> available to prototype  
> with? Inquiring minds want to know. There are some of us that are  
getting  
> too old  
> to work with the smaller parts to prototype with.

You can get what is called a 'Surfboard'. You mount the s surface  
mount part on the board, and now you have through-hole or edge  
mounts.

Surfboard is a trade name for a specific company. There are others  
as well.

You may not get a specific match, but there should be one close

enough that you can easily 'kludge' it.

You'll still have to mount that one chip, but at least then you'll have a 'plugable' part. (Or get someone with the right tools and good eyes to do it for you.)

Mike

-----  
Date: Fri, 11 Apr 2003 07:48:54 -0400  
From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: "Alan Fryer" <N3BJ@hotmail.com>  
Subject: [148892] FOX: Totals - most pelts given out - single hunt  
Message-ID: <002201c30020\$54332fa0\$cb350843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Correction:

Most pelts given out in a single hunt this Winter Season is:

140 by N3BJ     (Hunt No. 1)

Tom, N1TP  
Naples, Florida

-----  
Date: Fri, 11 Apr 2003 06:56:14 -0500  
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148893] Re: Minimum power for skip  
Message-ID: <001501c30021\$5b3ef800\$0100a8c0@MAIN>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Paul,

That's like asking "How fast do you need to go to when a race?". Way too many variables. For an example of how low you can go, see <http://www.ae5k.us/qrpp/> . You either do the best you can with what you have or adjust your power depending all the other variables.

Some factors that determine how much power you need for skywave communication are:

1. The band you're on.
2. The mode you're using.
3. The noise on the band.
4. The bandwidth being used to receive your signal.
5. Your antenna.
6. Your skill level.
7. The skill level of the receiving station.
8. Whether you're working a contest or ragchewing.
9. The state of the ionosphere.
- 10 QRM
11. Etc., etc. etc.

It is probably safe to say that most of us on this list have worked all over the world with 5 watts or less. Experience has a lot to do with it. When I was first licensed I seldom made a contact with less then a watt but nowadays I routinely make QS0s with 250mw. Attitude seems to have a lot to do with it too as weird as it may seem. If you think that you can't make a QS0 with the power that you are using, you probably won't.

73,  
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

-----  
Date: Fri, 11 Apr 2003 08:29:18 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [148894] Re: DSW-II firmware update  
Message-ID: <5.1.1.6.1.20030411082428.00a5c480@ipostoffice.worldnet.att.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>The other option  
>would be to have a small PCB that had the DDS chip and all supporting  
>components on it with a header that you could plug into a proto board or  
>incorporate into your own design. Could be VERY small. I thought about  
>doing this at one time, but didn't think there would be enough interest.

Trev,

That pretty well describes the DDS daughtercard that NJQRP says will be available "Real Soon Now"(tm). It has the DDS chip, clock oscillator, lowpass filter, buffer amp, and voltage regulator on a small card. Digital lines to control the chip are brought out to a pin header.

Experimenting with the analog portion of the circuit could be a challenge, since I believe it's mostly surface-mount (as is the DDS itself). But if all you want is a black box that takes bit in one end and makes sine waves out the other, it's a good deal.

More details are on the NJQRP Web site.

Dave

-----  
Dave Hinerman  
WD8CIV@worldnet.att.net

-----  
Date: Fri, 11 Apr 2003 08:41:59 -0400  
From: "Heimo J. Lyden" <fg5vij@golfinho.com>  
To: qrp-l@lehigh.edu  
Cc: sm5ajv@chello.se  
Subject: [148895] dxwatch on the web  
Message-ID: <oprngtj9qjvc50y9@mail.wanadoo.fr>  
Content-Type: text/plain; charset=iso-8859-15; format=flowed  
MIME-Version: 1.0

I am a member of a the swedish SSA reflecector, and sometimes something interesting occurs there. Ingemar SM5AJV has made this, in my opinion, extremely nice graphical program to spot the NCDXF beacons. Got to <http://hem.passagen.se/sm5ajv/DxWatch/index.htm> and see for yourself. Of course, this is how the world looks like from Sweden, but it still gives you a very good indication if you can work EU or not. And he is using a high performance receiver and moderate antenna. Just imagine if a few

stations around the world could be set up with this program! I just checked YV and it seems that 18 and 24MHz might work to EU from here on Guadeloupe and 14MHz is open to the states.

73

Heimo FG5VIJ SM6LOD PY2ZOD

-----  
Date: Fri, 11 Apr 2003 07:43:58 -0500  
From: "W8TIF - Karl" <kkanalz@gcecisp.com>  
To: <rod@n0rc.us>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148896] Re: DSW-II - preliminary info  
Message-ID: <02ae01c30028\$05fec3a0\$981a0ed0@HamShack>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Christmas Day happens to also be my birthday, Rod, so I too, would have a long time to wait! However, there are also other celebratory "days" you can use as an excuse to get a DSW-II:

1. A sunny, warm day
  2. Wife's birthday
  3. A dull, cloudy day
  4. Pay day
  5. The day your wheelbarrow's wheel stops squeaking
  6. Full gasoline tank day on your Humm-Vee
- et cetera....

Karl K - W8TIF  
McKinney, Texas

----- Original Message -----  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, April 10, 2003 9:38 PM  
Subject: Re: DSW-II - preliminary info

> I looked at the webpage, studied the rig....  
>  
> WOW! Very Cool!  
>  
> Can't wait to get one. But dang, birthday is over and Xmas is far far

> away!  
>  
> 73 Rod, N0RC  
>  
> ----- Original Message -----  
> From: "Dave Benson" <nn1g@earthlink.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Thursday, April 10, 2003 12:09 PM  
> Subject: KITS: DSW-II - preliminary info  
>  
>  
> ...  
> > I've put preliminary information up on my website at  
> > [http://smallwonderlabs.com/swl\\_dsw.htm](http://smallwonderlabs.com/swl_dsw.htm)  
> >  
> ...  
>  
>  
>  
>

-----  
Date: Fri, 11 Apr 2003 07:56:47 -0500  
From: robert conley <kc5wa-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [148897] ARKICON 2003  
Message-ID: <20030411.075647.-295609.2.kc5wa-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

a photo spread and more for those that didn't attend  
I sure enjoyed it <http://www.kc5a.com/arkiecon.html>  
stop by and visit.

-----  
Date: Fri, 11 Apr 2003 09:09:37 -0400  
From: "Lee Mairs" <lmairs@direcway.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148898] Re: DSW-II firmware update  
Message-ID: <10fe01c3002b\$a28a9250\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"



Content-Transfer-Encoding: 7bit

> 1. The default start up speed is now 20 WPM. No more of the slow stuff.  
> Thanks Dave for doing this. I'd like to see 20WPM adopted as the  
> standard by all the kit mfgs as 17WPM is entirely too slow.

Chuck -

I think you are way off base here. I'll bet there are a heck of a lot more potential QRP customers who are more comfortable with 15 or 17wpm then there are with 20 wpm.

73 de Lee

KM4YY/8

-----  
Date: Fri, 11 Apr 2003 07:24:14 -0600  
From: "Jerry Felts" <nr5a@rap.midco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148899] 38 Special QSO  
Message-ID: <004b01c3002d\$a55400a0\$3865dc18@jerryhc0zfj19d>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tried posting this last night but for some reason it didn't take so I'll give it another go.

For some strange reason I got the urge to pull out my 38 Special from the closet. Probably because I've been keeping my other rig in a bag in the car and my K2 isn't finished yet.

Anyway, its been so long since I used this rig I don't remember what I was doing to it, or anything about it. Its in a nice Ten Tec case with leads to the controls switch, and phone and key jacks that are 10 miles long. Looking down at the circuit board I had started making some mods to it. Towards the back around the final is a variable pot, the pot has a resistor going to a diode on the board. Must be a power output control I guess. Then there is a variable cap, with a couple of resistors in series, have no clue about that. But hey, it works.

Just worked AA5HM with a 559 report, he was in Ark. I've got the rig scattered all over the desk to the point right now its hard to operate. I think I'll be spending some time on 30m at I put this lil jewl back into shape. So if ya need SD on 30m look for me. Right now I have no idea of what freq range it covers. The 38 Special Saga shall go on.

Jerry - NR5A South Dakota

-----  
Date: Fri, 11 Apr 2003 09:41:07 -0400  
From: Alex <kr1st@amsat.org>  
To: kkanalz@gcecispc.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [148900] Re: DSW-II - preliminary info  
Message-ID: <3E96C5F3.273EC552@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I buy gear only on two occasions. When it rains, and when it doesn't rain. That's it. I have to set limits. :)

73,  
--Alex KR1ST

W8TIF - Karl wrote:

> Christmas Day happens to also be my birthday, Rod, so I too, would have a  
> long time to wait! However, there are also other celebratory "days" you can  
> use as an excuse to get a DSW-II:

-----  
Date: Fri, 11 Apr 2003 08:46:14 -0500  
From: Dave Hottell <hottell@gulftel.com>  
To: lmairs@direcway.com,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [148901] Re: DSW-II firmware update  
Message-ID: <3.0.6.32.20030411084614.008b38a0@pop.gulftel.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Lee,

I think you are probably right here. Especially given that slower CW cuts through the noise better than higher speed code.

73,  
Dave  
ab9ca

At 09:09 AM 4/11/03 -0400, Lee Mairs wrote:

>> 1. The default start up speed is now 20 WPM. No more of the slow stuff.

>> Thanks Dave for doing this. I'd like to see 20WPM adopted as the  
>> standard by all the kit mfgs as 17WPM is entirely too slow.

>

>Chuck -

>I think you are way off base here. I'll bet there are a heck of a lot more  
>potential QRP customers who are more comfortable with 15 or 17wpm than there  
>are with 20 wpm.

>73 de Lee

>KM4YY/8

>

>

-----  
Date: Fri, 11 Apr 2003 08:46:21 -0500

From: "Boulineau, Lee" <lee.boulineau@attws.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [148902] RE: DSW-II firmware update

Message-ID: <90B09553A615CE4192A646D8CFA67DA8428E9A@TX-MSG05-  
CCC.wireless.attws.com>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

That makes me a real slow-poke - I like about 10-12 wpm - it allows me =  
to take a pull on a "807" between words ;-). .....

72 / 73,

Lee N4MVL=20

-----Original Message-----

From: Lee Mairs [mailto:lmairs@direcway.com]

Sent: Friday, April 11, 2003 8:10 AM

To: Low Power Amateur Radio Discussion

Subject: Re: DSW-II firmware update

> 1. The default start up speed is now 20 WPM. No more of the slow =  
stuff.

> Thanks Dave for doing this. I'd like to see 20WPM adopted as =

the

> standard by all the kit mfgs as 17WPM is entirely too slow.

Chuck -

I think you are way off base here. I'll bet there are a heck of a lot =  
more

potential QRP customers who are more comfortable with 15 or 17wpm then =  
there

are with 20 wpm.

73 de Lee

KM4YY/8

-----  
Date: Fri, 11 Apr 2003 08:02:39 -0600

From: "Rod N0RC" <rod@n0rc.us>

To: "qrp-l" <qrp-l@Lehigh.EDU>

Subject: [148903] Can I build/fix a rig for you?

Message-ID: <001701c30033\$03edbcf0\$6601a8c0@greyrock>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks,

I want a DSWII, recent job loss prevents me from buying one. I'm loathe  
to sit and sulk about my mis-fortune.(I'm a  
can-do-will-do-glass-is-half-full kind of person) So I propose this: To  
earn the money needed, allow me build or fix a QRP rig for you, for a  
fee. Here is my first pass at pricing:

Repairs:

Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR  
monobanders...etc. \$30 + parts, return shipping/insurance included in  
repair fee.

Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$40 + parts  
return shipping/insurance included in repair fee.

Multi-band & complex rigs: K2, K1, OHR 400/500...etc. \$50 + parts return  
shipping/insurance included in repair fee.

Kit builds:

Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR monobanders...etc. \$25, return shipping/insurance included in build fee.

Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$50, return shipping/insurance included in build fee.

Multi-band & complex rigs: K2, K2 A to B upgrades, K1, OHR 400/500...etc. \$100 (K2 accessories extra write me for details) return shipping/insurance included in repair fee.

This is a limited time offer, I don't wish to start a full time business (not yet anyway), just want to earn enough to buy a DSWII and few other QRP goodies. When I have the required funds, the offer will expire.

73, Rod N0RC

-----  
Date: Fri, 11 Apr 2003 09:10:05 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: <kc5wa-qrp@juno.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148904] Re: ARKICON 2003  
Message-ID: <004b01c30034\$0df698b0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bob,

"The Page Cannot be Displayed"

When do you think it will be up?

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"In the 57th year and it just keeps getting better!"  
<mailto:w5yr@att.net>

----- Original Message -----

From: "robert conley" <kc5wa-qrp@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, April 11, 2003 7:56 AM  
Subject: ARKICON 2003

> a photo spread and more for those that didn't attend  
> I sure enjoyed it <http://www.kc5a.com/arkiecon.html>  
> stop by and visit.  
>

-----  
Date: Fri, 11 Apr 2003 09:21:23 -0500  
From: robert conley <kc5wa-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [148905] Arkiecon  
Message-ID: <20030411.092217.-139799209.0.kc5wa-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

wellllll I messed up again let's get it right!!!  
<http://www.kc5wa.com/arkiecon.html> this  
should correct the problem.. sorry gang

-----  
Date: Fri, 11 Apr 2003 10:26:10 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <rod@n0rc.us>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [148906] Re: Can I build/fix a rig for you?  
Message-ID: <004101c30036\$517d3560\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

And of course you'll need to have a 'burn-in' and 'test verification' time window on every rig you build, right? Think 8 weeks would be enough?

(Of course, longer times, as necessary, just in case the 'next' rig isn't finished yet, of course!)

Mike

-----  
Date: Fri, 11 Apr 2003 10:38:28 -0400  
From: "sslyon" <sslyon@megalink.net>  
To: <cruisenewsnet@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148907] Min. power for skip; DX tricks;  
Message-ID: <001a01c30038\$042f8ea0\$0ac8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Example: This week I worked Gene, W3PM in LA, 1100mi = one hop. He was running a measured 8.6mW on 20m. Gene was a 2/2/9 w/QRN, in a S/4-5 noise background, which means he was at least an S-4-5 here in Maine... off the end of my 176' doublet up 55'.

I agree with the often stated opinion that the biggest factor (given average eqp't) is the DSP between our ears. It's absolutely amazing what can be pulled through the noise with skilled listening and patience.

Knowing how to "repeat" is also important for the guy transmitting. A 40wpm "onesey-twosey" repeat is useless and very frustrating to the guy trying to pull you out of the mud. In marginal situations, I'll repeat a requested item ( Call, R/S/T/, S/P/C, etc.) at least 4 times at a nominal 20 wpm and I get very few re-re-peats. A slight "Farnsworth accent" is also helpful because noise tends to obscure spaces between characters. More space between characters provides helpful emphasis.

73

aa1my

-----  
Date: Fri, 11 Apr 2003 08:36:57 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Mike Yetsko" <myetsko@insydesw.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [148908] Re: Can I build/fix a rig for you?  
Message-ID: <004101c30037\$fce6fa390\$6601a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Mike,

Experience has shown that these extremes are not necessary.

73, Rod N0RC

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <rod@n0rc.us>; "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>  
Sent: Friday, April 11, 2003 8:26 AM  
Subject: Re: Can I build/fix a rig for you?

> And of course you'll need to have a 'burn-in' and 'test verification'  
time  
> window on every rig you build, right? Think 8 weeks would be enough?  
>  
> (Of course, longer times, as necessary, just in case the 'next' rig  
isn't  
> finished yet, of course!)

-----  
Date: Fri, 11 Apr 2003 09:46:38 -0500  
From: Ken Hopper N9VV <n9vv@wideopenwest.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [148909] re: ARKICON correct URL  
Message-ID: <3E96D54E.9010501@wideopenwest.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Pictures (well sort of) and text (well sort of)

<http://www.kc5wa.com/arkiecon.html>

\*note previous post had an incomplete callsign and hence 404 error

de ken n9vv

-----



Date: Fri, 11 Apr 2003 10:12:31 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "Rod N0RC" <rod@n0rc.us>, "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [148910] RE: Can I build/fix a rig for you?  
Message-ID: <4120034511151231469@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Rod does truly exceptional work. I have benefited from his expertise for many years. I cannot say enough positive things about his professionalism. He has a genius for diagnosing and troubleshooting equipment. He pioneered several of the updates now commonly in use in Elecraft rigs. He unselfishly advances the hobby through his regular postings, as well as his web site for Rock Mites.

Most recently he has updated my K2's and K1 to State of the Art. At other times he has worked on my Rock-Mite rigs, among others. I highly recommend Rod N0RC and intend to continue sending my technical work to him. You will be as delighted as I am!

73,  
--Doc/K0EVZ

> [Original Message]  
> From: Rod N0RC <rod@n0rc.us>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: 4/11/2003 9:02:39 AM  
> Subject: Can I build/fix a rig for you?  
>  
> Folks,  
>  
> I want a DSWII, recent job loss prevents me from buying one. I'm loathe  
> to sit and sulk about my mis-fortune.(I'm a  
> can-do-will-do-glass-is-half-full kind of person) So I propose this: To  
> earn the money needed, allow me build or fix a QRP rig for you, for a  
> fee. Here is my first pass at pricing:  
>  
> Repairs:  
>  
> Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR  
> monobanders...etc. \$30 + parts, return shipping/insurance included in  
> repair fee.  
>  
> Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$40 + parts

> return shipping/insurance included in repair fee.  
>  
> Multi-band & complex rigs: K2, K1, OHR 400/500...etc. \$50 + parts return  
> shipping/insurance included in repair fee.  
>  
>  
> Kit builds:  
>  
> Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR  
> monobanders...etc. \$25, return shipping/insurance included in build fee.  
>  
> Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$50, return  
> shipping/insurance included in build fee.  
>  
> Multi-band & complex rigs: K2, K2 A to B upgrades, K1, OHR  
> 400/500...etc. \$100 (K2 accessories extra write me for details) return  
> shipping/insurance included in repair fee.  
>  
> This is a limited time offer, I don't wish to start a full time business  
> (not yet anyway), just want to earn enough to buy a DSWII and few other  
> QRP goodies. When I have the required funds, the offer will expire.  
>  
> 73, Rod NØRC  
>

-----  
Date: Fri, 11 Apr 2003 11:15:36 -0400  
From: Steve.Lawrence@ITWFEG.COM  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148911] Re: DSW-II - preliminary info  
Message-ID: <0FCF81CD31.09F307FF-ON85256D05.005330CE-85256D05.0053D343@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Would it be possible to power up the DSW-II in "high speed" mode if, say the "dah" paddle was closed at power on? Otherwise, it powers up at a medium speed 15wpm mode? Or, power up to the last speed preserved in memory?

Surely there's a way to do something along these lines... without intimidating less seasoned CW ops.... Sure we all aspire to be competent "in the head copy" at 30wpm, but reality is many of us enjoy CW at lower speeds and have lives to live elsewhere that keep us from attaining our dreams....

Just a thought,  
Steve  
aa8af

-----  
Date: Fri, 11 Apr 2003 11:15:00 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Cc: <myetsko@insydesw.com>, <k7qo@earthlink.net>  
Subject: [148912] Re: DSW-II firmware update  
Message-ID: <005101c3003d\$45a8c7c0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Mike Yetsko" <myetsko@insydesw.com>  
Subject: Re: DSW-II firmware update

> You can get what is called a 'Surfboard'. You mount the s surface  
> mount part on the board, and now you have through-hole or edge  
> mounts.  
>  
> Surfboard is a trade name for a specific company. There are others  
> as well.  
>  
> You may not get a specific match, but there should be one close  
> enough that you can easily 'kludge' it.

Sadly, no. All the Surfboards are built for the small (SOT, SOIC) parts. The DDS chips are the teeny-tiny parts (TSSOP) and none of the Surfboards are useable. They have one trace per two pins of the TSSOP. No real way to kludge that!

A while back I prodded ProtoBoards (<http://protoboards.theshoppe.com>) to come up with something for the DDS parts, and they now have a board that is supposed to work, although I haven't tried it yet. It's not a simple little thing like a Surfboard, for that we may have to wait for NJQRP.

And Chuck, I've seen pictures of your work and you will have no trouble soldering one of these things. The trick is to get it aligned with the pads and stay there while you slobber it. There are a pile of schemes for doing this. What I do is then simply cover all the pins with solder and use some SolderWick to suck up the excess. There will be plenty of solder beneath the pins that you can't get out, so once the part is in place, it's a pretty un-graceful process, at least for me. It does take a good magnifier to get the part aligned properly in the first place, however. See <http://www.qsl.net/wb8rcr/AD9850.html> for an example of a 9850 slobbered in this way.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Fri, 11 Apr 2003 09:23:23 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: <dock0evz@earthlink.net>, "qrp-l reflector" <qrp-l@Lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [148913] Re: Can I build/fix a rig for you?  
Message-ID: <003101c3003e\$4b1956b0\$6601a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gosh! Thanks for those [unexpected] kind words Doc.

I must set one thing straight, updates of Elecraft rigs were pioneered by others. Most notably Elecraft, Tom N0SS; John, KI0WX, and others. I just followed the well blazed trail implementing them.

73, Rod N0RC

----- Original Message -----  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "Rod N0RC" <rod@n0rc.us>; "qrp-l reflector" <qrp-l@Lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Sent: Friday, April 11, 2003 9:12 AM  
Subject: RE: Can I build/fix a rig for you?

> Gang:

>

> He pioneered several of the updates now commonly in use in Elecraft

rigs. He

-----  
Date: Fri, 11 Apr 2003 10:33:16 -0500  
From: "Brockwell, Stephen E. CECOM SEC FSSE GPI"  
    <steve.brockwell@us.army.mil>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [148914] What is the AA1MY "SPADDLE" key  
Message-ID: <D9781901107D6A4AB59B567ED74090B454DE7E@pandora.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"

In the Spartan Sprint results there was reference to the "AA1MY "SPADDLE"  
key". I've never heard of this one and keys/paddles fascinate me. Is there  
anywhere to find out more about it?

.... n-quire-n-minds wanno noe ...

Steve KC5TTY

-----  
Date: Fri, 11 Apr 2003 10:39:20 -0500  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [148915] [re]Can I build a rig for you  
Message-ID: <412003451115392082@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Rod just wrote, to correct one thing I stated. He said that ..."updates  
of Elecraft rigs were pioneered by others. Most notably Elecraft, Tom N0SS;  
John, KI0WX, and others. I just followed the well blazed trail  
implementing them." Everyone please forgive me for inadvertently failing  
to give credit where it is due.

73,  
--Doc/K0EVZ

-----  
Date: Fri, 11 Apr 2003 10:51:45 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: <lee.boulineau@attws.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [148916] Re: DSW-II firmware update  
Message-ID: <009901c30042\$41e034c0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'm no whiz at CW anymore - 25-30 is my comfort zone these days - but I wonder just how many average QRP operators can really tell the difference between 17 and 20 wpm?

Sure, Chuck can do anything with CW, but I would bet that the run of the mill QRP ops who can handle 15-20 wpm with relative ease could not tell which code speed - 17 or 20 wpm - was being sent if they heard the code sent only once at that speed and didn't make any timing measurements.

Hear them both, and sure one is a little slower than the other. But, 17 and 20 are so close that the difference seems to me to be academic. Kinda like discussing the difference between 15 and 17 wpm.

It has been interesting to observe the code speeds used by the Foxii in our Hunts. They seem to vary from around 10 wpm on the low side to 35+ on the high side. Yet there seems to be little correlation between Fox code speed and number of pelts handed out. Hmmm . . .

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"In the 57th year and it just keeps getting better!"  
<mailto:w5yr@att.net>

----- Original Message -----  
From: "Boulineau, Lee" <lee.boulineau@attws.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, April 11, 2003 8:46 AM  
Subject: RE: DSW-II firmware update

> That makes me a real slow-poke - I like about 10-12 wpm - it allows me to  
take a pull on a "807" between words ;-)......

-----  
Date: Fri, 11 Apr 2003 12:00:40 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "John J. McDonough" <wb8rcr@arrl.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Cc: <k7qo@earthlink.net>  
Subject: [148917] Re: DSW-II firmware update  
Message-ID: <000901c30043\$81f91760\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> > You can get what is called a 'Surfboard'. You mount the s surface  
> > mount part on the board, and now you have through-hole or edge  
> > mounts.  
> >  
> > Surfboard is a trade name for a specific company. There are others  
> > as well.  
> >  
> > You may not get a specific match, but there should be one close  
> > enough that you can easily 'kludge' it.  
>  
> Sadly, no. All the Surfboards are built for the small (SOT, SOIC)  
parts.  
> The DDS chips are the teeny-tiny parts (TSSOP) and none of the  
Surfboards  
> are useable. They have one trace per two pins of the TSSOP. No real  
way to  
> kludge that!

Actually, yes. While not under the name 'Surfboard', they are out there.

I've seen much more out there than just the Surfboards. Surfboards  
are neat, but they are the more common of what you find.

I ran into them first when I picked up a number of 486DX2 chips as  
'samples'. Unfortunately they came in as surface mount. One of the

'tech' guys where I worked said no problem, and in a few days I had adapters to solder down almost any kind of part I wanted in surface mount to 'generic' pin or, in this specific case, to the matching pin designation so I could use one of the samples to upgrade my personal machine. I should point out, though, that these were the inexpensive adapters that the 'Surfboards' are. (I think one of the surface mount CPU to pin adapters were something like \$76. But hey, when you get what's a much more expensive CPU for free....)

I've gotten them in the past to do things as diverse as make DIP compatible setups for chips like 80486DX2 as I mentioned, but also 8051SL, 80277, 82386, and even HDC chipsets. I've not purchased any for the super small footprint stuff, but I know they are out there. I recall seeing them even with small 'proto areas' on the boards. Boards that would mount 2 or 3 or the super compact stuff with a small 'pad field' to the side you could put down chip parts, or use as a 'jumper area'.

Mike

-----  
Date: Fri, 11 Apr 2003 09:00:36 -0700  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [148918] Re: DSW-II firmware update  
Message-ID: <20030411160036.GA18389@n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

If you reduce the speed to 5 wpm, you can take one between letters. :^)

73,  
Bob, N7XY

On Fri, Apr 11, 2003 at 08:46:21AM -0500, Boulineau, Lee wrote:  
> That makes me a real slow-poke - I like about 10-12 wpm - it allows  
> me to take a pull on a "807" between words ;-).  
>  
> 72 / 73,  
>  
> Lee N4MVL  
>  
> -----Original Message-----  
> From: Lee Mairs [mailto:lmairs@direcway.com]  
> Sent: Friday, April 11, 2003 8:10 AM



> To: Low Power Amateur Radio Discussion  
> Subject: Re: DSW-II firmware update  
>  
>  
> > 1. The default start up speed is now 20 WPM. No more of the slow stuff.  
> > Thanks Dave for doing this. I'd like to see 20WPM adopted as the  
> > standard by all the kit mfgs as 17WPM is entirely too slow.  
>  
> Chuck -  
> I think you are way off base here. I'll bet there are a heck of a lot more  
> potential QRP customers who are more comfortable with 15 or 17wpm then there  
> are with 20 wpm.  
> 73 de Lee  
> KM4YY/8  
>

--  
Bob Nielsen, N7XY  
Bainbridge Island, WA  
IOTA NA-065, USI WA-028S  
n7xy@n7xy.net  
<http://www.n7xy.net>

-----  
Date: Fri, 11 Apr 2003 11:19:58 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: k7qo@earthlink.net  
Cc: qrp-l@lehigh.edu  
Subject: [148919] Re: DSW-II firmware update  
Message-ID: <3.0.6.32.20030411111958.007bd1e0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>A question for the digital DDS experts in the group. If one is interested  
>in experimenting are there  
>any IC versions from any manufacturer that has a DIP (PTH) version  
>available to prototype

Actually, there is, sort of. The AD7008, Analog Dievices first intergrated  
DDS Chip. Not a dip, but a PLCC-44, so it is socketable. There are PLCC-44  
to dip adaptors available too. I don't really like to see them used though,  
as it puts the by-pass caps too far away from the chip for them to be  
really effective.

Although the 7008 is slow by todays standards (50 MHz clock, max) and draws  
a lot of power (1 watt at 5V) it does have one interesting feature, a 12  
bit variable output level control. With cleaver DSP software driving it,  
you could produce SSB out of the chip directly! Or any other arbitrary  
waveform.

When you talk about experimenting with a DDS chip, your pretty much talking about experimenting with the software to drive it, as the DDS chip can't do anything on it's own.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Fri, 11 Apr 2003 11:17:15 -0500  
From: Dave Hottell <hottell@gulftel.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [148920] Re: Min. power for skip; DX tricks;  
Message-ID: <3.0.6.32.20030411111715.009226a0@pop.gulftel.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Seab and all,

At 10:38 AM 4/11/03 -0400, sslyon wrote:

>  
>Knowing how to "repeat" is also important for the guy transmitting. A 40wpm  
>"onesey-twosey" repeat is useless and very frustrating to the guy trying  
to pull  
>you out of the mud. In marginal situations, I'll repeat a requested item (Call,  
>R/S/T/, S/P/C, etc.) at least 4 times at a nominal 20 wpm and I get very few  
>re-re-peats.

True, but then your effective speed is something less than 5 wpm. Would it not be quicker to slow the CW down to maybe 13 - 15 wpm and get it through the first time? Maybe even slower. 10 wpm would cut the time required by half. Would this not also increase the reliability of the communication?

>A slight "Farnsworth accent" is also helpful because noise tends  
>to obscure spaces between characters. More space between characters provides  
>helpful emphasis.

Good point . . .

73 de Dave  
ab9ca

>73  
>aa1my  
>  
>  
>

-----  
Date: Fri, 11 Apr 2003 12:25:33 -0400  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: steve.brockwell@us.army.mil  
Cc: qrp-l@lehigh.edu  
Subject: [148921] Re: What is the AA1MY "SPADDLE" key  
Message-ID: <3.0.6.32.20030411122533.007bfb40@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>In the Spartan Sprint results there was reference to the "AA1MY "SPADDLE"  
>key". I've never heard of this one and keys/paddles fascinate me. Is there  
>anywhere to find out more about it?

The "SPADDLE" is a pretty neat single lever paddle made of pcb material,  
with a twist. The paddle is vertical. When made on a pcb "base plate" it  
allows you to rest your wrist on the base plate and operate the paddle one  
handed. Made with .032" fiberglass stock, it only weighs 1/2 oz!

Since Seab doesn't have a web site, he's given me permission (and his  
prototype) to put construction details and a photo up on my web site.  
Hopefully I'll have a chance to do that soon.

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Fri, 11 Apr 2003 12:51:32 -0400  
From: Ed Tanton <n4xy@earthlink.net>

To: QRP-L Reflector <qrp-l@lehigh.edu>,  
noGA reflector <nogaqrp@mailman.qth.net>  
Subject: [148922] OT: MS Word question...  
Message-ID: <5.2.0.9.2.200304111124251.03180d18@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi folks... I am writing an SMD article on all that organizing I have done for various SMD components (with the small lab or repair bench in mind) and found, last week, a program called TreePad. I THOUGHT its vertical split-screen had an outline on the left, and your writing on the right. Un-unh. It's obviously a very capable program, but EVERY item in the Outline Tree is an entirely separate section, with its own word count, etc. etc.

That got me going, because I have found I REALLY LIKE the discipline having that outline constantly there, staring you in the face, provides. So-o-o... I thought I'd try MS Word. You CAN have two (SPLIT) screens, one in OUTLINE mode, and one in NORMAL word processing mode. Trouble is: it only works with a horizontally divided window. I can't get it vertical to save my life. Anybody know how to do this?

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Fri, 11 Apr 2003 13:02:48 -0400  
From: Gary Halpern <gary.halpern@sympatico.ca>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [148923] Re: DSW-II firmware update  
Message-ID: <3E96F538.42E72550@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The beta DSW-II manual indicates that, "The frequency readout is output at a rate determined by the keyer speed setting. The default (power-up) speed is 15 WPM."

A boot up at 20 wpm as somewhat too fast for me to translate digits from dit dahs to numbers.

Perhaps the original default of 15 is appropriate at this juncture.

Gary  
VA3GH

-----  
Date: Fri, 11 Apr 2003 13:09:31 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148924] Re: DSW-II firmware update  
Message-ID: <014001c3004d\$218d5c60\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Steven Weber" <kdljv@moose.ncia.net>  
Subject: Re: DSW-II firmware update

> When you talk about experimenting with a DDS chip, your pretty much  
talking  
> about experimenting with the software to drive it, as the DDS chip can't

do  
> anything on it's own.

And I would propose that the FAR Circuits board isn't a bad platform to do that on. It has a place for the DDS, Clock, PIC, LCD and output filter, which is pretty much all you need. Plus it's fairly cheap. It uses the 16F84 PIC, which is very popular partly because dirt-simple programmer plans are available on the net, and all the software you need is free. There is some room on the board so you could do some fooling around, but as Steve points out, experimenting with a DDS is pretty much experimenting with the software.

The NJQRP approach is going to be a little more flexible, but also quite a bit more complicated, so you win some, you loose some.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Fri, 11 Apr 2003 13:42:56 -0400 (EDT)  
From: <ah7i@atl.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [148925] Re: Min. power for skip; DX tricks;  
Message-ID: <Pine.LNX.4.33.0304111338020.26862-1000000@localhost.localdomain>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Minimum power is extremely low with ducting on 10 but then some might argue that 10 is pushing VHF :-).  
less than a milliwatt will go a LONG way.

DSP lends a whole new meaning to DX. IIRC 5W EME has been copied, using linrad.

-bob

-----  
Date: Fri, 11 Apr 2003 13:58:33 -0400  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L Reflector <qrp-l@lehigh.edu>,  
noGA reflector <nogaqrp@mailman.qth.net>  
Subject: [148926] OT - Re: MS Word question...

Message-ID: <5.2.0.9.2.20030411135522.03179c28@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Well that was certainly FAST!!! Special thanks to Lee, KM4YY/8 for the winning method. Anyone interested in the method should email. Works like a million bucks-and was easily implemented. Thanks to everyone who answered!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
-----

-----  
Date: Fri, 11 Apr 2003 10:41:32 -0700 (PDT)  
From: Nelson Winter <thenels@go.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [148927] Re: DSW-II firmware update  
Message-ID: <3523611.1050082893043.JavaMail.thenels@gomailjtp05>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Well... far be it for me to know what lurks in the software that makes the DSW II work, but it seems to me that since everyone has their own ideas as to what the startup speed should be that it should be user definable.

Less = More

<http://www.qsl.net/wb6dwd/>

RM-40/30/20

QRP-L #2482

---

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---

Date: Fri, 11 Apr 2003 14:26:31 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <thenels@go.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148928] Re: DSW-II firmware update  
Message-ID: <008601c30057\$e4452f80\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Well... far be it for me to know what lurks in the software that makes the DSW II work, but it seems to me that since everyone has their own ideas as to what the startup speed should be that it should be user definable.

> Less = More

> <http://www.qsl.net/wb6dwd/>

> RM-40/30/20

> QRP-L #2482

Well, it depends on what can be 'stored' in the hardware with power off. Does the thing have any NV memory?

Mike

---

Date: Fri, 11 Apr 2003 14:58:24 -0400  
From: Steve.Lawrence@ITWFEG.COM  
To: myetsko@insydesw.com



Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148929] Re: DSW-II firmware update -- Keyer  
Message-ID: <OF3A0AE080.F18F4D69-0N85256D05.00673C96-85256D05.0068392D@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Sadly, according to Dave, no NV memory in PIC controller used in the current design.

I'm suggesting Dave consider a couple of alternatives to select keyer speed at power up in a "medium-" or "high-" speed range. Ideas include:  
-- closure of "dit" or "dah" paddle at power up  
-- closure of keyer button at power up  
-- jumper on the PC board

Further, the initial speed selected should select the overall keyer range. For example, select the medium speed range and the keyer varies from, say, 5 - 25 WPM. Select the high speed range and the speed varies from, say 20 - ?? in range. This way new CW Ops are not intimidated by the design, and those of us who enjoy an "807" can loaf along in the teens, while serious brass pounders can cruise at Mach-1. Ultimately, a new CW op and new Ham may be interested in QRP and the design of the DSW-II. We may chase them away with a 20wpm start!

Hopefully the 40M version covers up into the Novice portion of the band....

73,  
Steve  
aa8af

"Mike Yetsko" <myetsko@insydesw.com>  
Sent by: owner-qrp-1@Lehigh.EDU  
04/11/2003 02:26 PM  
Please respond to myetsko

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc:  
Subject: Re: DSW-II firmware update

> Well... far be it for me to know what lerks in the software that makes the DSW II work, but it seems to me that since everyone has their own

ideas as to what the startup speed should be that it should be user definable.

> Less = More  
> <http://www.qsl.net/wb6dwd/>  
> RM-40/30/20  
> QRP-L #2482

Well, it depends on what can be 'stored' in the hardware with power off. Does the thing have any NV memory?

Mike

-----  
Date: Fri, 11 Apr 2003 13:22:42 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "qrp-l" <qrp-l@Lehigh.EDU>, "cqc-l" <CQCLIST@yahoogroups.com>  
Subject: [148930] Re: Can I build/fix a rig for you?  
Message-ID: <023801c3005f\$b9974ea0\$6601a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Folks,

WOW! What a great response, from a great bunch of people. Thanks you all.

I received inquires concerning K2 fixes and modifications to that I did not anticipate. So I'm going to add a 4th category to my list: K2 modification. and updates. The maximum price for an A to B update will be \$150, this price includes all necessary parts (including 14 matched XTALS from Elecraft) and return shipping. Contact me for details specific to your rig's needs.

Before days end I'll have posted on a web site an itemized list of K2 modification. and update prices.

Thanks to all who've responded so far. If all the deals come through I'll be able to order a DSW-II very soon!

73, Rod N0RC

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, April 11, 2003 8:02 AM  
Subject: Can I build/fix a rig for you?

...

> Multi-band & complex rigs: K2, K2 A to B upgrades, K1, OHR  
> 400/500...etc. \$100 (K2 accessories extra write me for details) return  
> shipping/insurance included in repair fee.

-----  
Date: Fri, 11 Apr 2003 13:23:46 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [148931] The "QRP-Canada RUN WITH RAC" operating event.  
Message-ID: <Pine.LNX.4.33.0304111319130.22309-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just an update to let everyone know that we have the details pretty much worked out for this initial run...I will be posting the official announcement this weekend on QRP-L, QRP-C and the QRP-Canada web pages, which are located on the RAC (Radio Amateurs of Canada) web site.

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 11 Apr 2003 15:42:58 -0400  
From: Mike Czuhajewski <wa8mcq@comcast.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Cc: Mike Czuhajewski <wa8mcq@comcast.net>  
Subject: [148932] Three Heath HW-8s for auction on eBay  
Message-ID: <002801c30062\$8e7f2c80\$6401a8c0@gambrl01.md.comcast.net>  
MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

In case anyone is interested, you can go to the main eBay page (www.ebay.com) and enter hw-8 in the search block to find these. Two currently have bids of somewhat over \$50 (and I won't try to outbid you on the one that I'm currently the highest bidder on since I don't really want it all that badly).

The other one has a reserve (minimum bid required) on it which hasn't been met yet. (They don't tell you what the reserve amount is, either, but it's over \$50 since that's what I put down as the highest I would go under their automatic proxy bidding system.)

PS--don't be surprised when searching on hw-8 produces more than just old Heath QRP radios :-). There's also a Haws model HW-8 wall mounted drinking fountain for auction!

73 and queue our pea DE WA8MCQ

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Date: Fri, 11 Apr 2003 15:50:20 -0400  
From: "sslyon" <sslyon@megalink.net>  
To: <hottell@gulftel.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148933] Re: Min. power for skip; DX tricks;  
Message-ID: <001a01c30063\$95e0b600\$0ac8e742@megalink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> At 10:38 AM 4/11/03 -0400, sslyon wrote:  
> >Knowing how to "repeat" is also important for the guy transmitting. A 40wpm "onesey-twosey" repeat is useless and very frustrating to the guy trying to pull you out of the mud. In marginal situations, I'll repeat a requested item ( Call, R/S/T/, S/P/C, etc.) at least 4 times at a nominal 20 wpm and I get very few re-re-peats.

=====  
> True, but then your effective speed is something less than 5 wpm. Would it not be quicker to slow the CW down to maybe 13 - 15 wpm and get it through the first time? Maybe even slower. 10 wpm would cut the time required by half. Would this not also increase the reliability of the communication?

=====  
You might think so, but in practice atmospheric noise, QSB, QRN, your acuity,

etc. all conspire to provide some very narrow windows. Either too fast or too slow often will kill a potential QSO in DX or "weak signal" cases.

> >73

> >aa1my

-----  
Date: Fri, 11 Apr 2003 16:24:55 -0400  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [148934] OT - Re: MS Word question...  
Message-ID: <5.2.0.9.2.20030411162310.031fe1b8@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello all... it turns out this was a REALLY popular question>answer. So, here it is:

It's embarrassingly simple: you use TWO files, one for the outline & one for the text. Open both of them. I like the outline on the left, so I put it there by hitting the full/partial screen button in the upper right corner. This reduces the screen without eliminating it entirely. You resize the screen to fit only that amount of screen required by your outline. Then open the other screen and do the same thing, placing it on the right, and expanding it as necessary to fit both on the screen.

Should have thought of it myself-but I was trying to start from one screen and use choices within the one file. Works like a million.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
"He that gives up a little liberty to gain

temporary security will lose both and  
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."

--Mark Twain

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Date: Fri, 11 Apr 2003 20:28:37 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: cruisenewsnet@yahoo.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [148935] Re: Minimum power for skip  
Message-ID: <5.1.0.14.0.20030411202443.02c62a58@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Paul - you can easily go down into the milliwatt range. I have 10+ states  
worked at 2 mWatts with nothing more than a dipole. At the other end of  
most of those QSOs were mobiles. So they were antenna challenged as well.  
When prorogation, distance and antenna you can get out. If you want more  
examples surf around my web site - there are many examples there including  
a table of the lowest power QSO into each state, and a list of DXCC  
entities worked at 500 mWatts.

73 de Larry.....WD3P  
<http://www.wd3p.net/>

At 07:17 PM 4/10/2003 -0700, Paul VandenBosch wrote:  
>What is the minimum power that an HF transmitter needs  
>to use skywave skip? Obviously this depends on  
>conditions.  
>  
>In optimal conditions, with an excellent antenna, what  
>do you think the minimum power is that will get a  
>receivable signal back to earth?  
>  
>In average conditions, what is the minimum qrp power  
>that you can expect to run skip with?  
>  
>KC8WBK

>

>-----

>Do you Yahoo!?

>Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your desktop!

><http://platinum.yahoo.com>

-----  
Date: Fri, 11 Apr 2003 13:30:48 -0700  
From: Jerry Haigwood <w5jh@swlink.net>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [148936] American Circuits and other board houses  
Message-ID: <3E9725F8.B3B9A739@swlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

All,

I am looking for a PCB fab house that can do a simple single sided PCB that does not have any holes. This board should be very easy to manufacture. I am looking to buy 100 or more. I have a quote from FAR Circuits and also from American Circuits in Charlotte, NC. I have used FAR Circuits before but I have never used American Circuits and am seeking input from anyone who has purchased PCBs from them. I am interested in the quality of the boards, timely delivery, etc. If you have any dealing with them, let me know. Also, if you know of a board house which deals in prototype quantities (100 or more), has reasonable pricing, good quality, and timely delivery, please let me know.

Thaanks, Jerry W5JH

-----  
Date: Fri, 11 Apr 2003 14:49:18 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,  
"cqcl-1" <CQCLIST@yahoogroups.com>  
Subject: [148937] UPDATE: Re: Can I build/fix a rig for you?  
Message-ID: <002001c3006b\$d2e04680\$6601a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

OK, I got a price list on the Web for the Elecraft work, please see:

[http://www.qsl.net/n0rc/elecraft\\_assm\\_and\\_mods/](http://www.qsl.net/n0rc/elecraft_assm_and_mods/)

Below I attached an updated version of the original posting.

Thanks all for giving me a change to earn a DSW-II.

73, Rod N0RC "will melt solder for DSW-II" :-)

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, April 11, 2003 1:22 PM

Subject: Re: Can I build/fix a rig for you?

> Folks,

>

> WOW! What a great response, from a great bunch of people. Thank you

> all.

>

> I received inquires concerning K2 fixes and modifications that I did

> not anticipate. So I'm going to add a 4th category to my list: K2

> modification and updates....

-----  
Folks,

I want a DSWII, recent job loss prevents me from buying one. I'm loathe to sit and sulk about my mis-fortune.(I'm a can-do-will-do-glass-is-half-full kind of person) So I propose this: To earn the money needed, allow me build or fix a QRP rig for you, for a fee. Here is my first pass at pricing:

Repairs:

Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR monobanders...etc. \$30 + parts, return shipping/insurance included in repair fee.

Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$40 + parts return shipping/insurance included in repair fee.

Multi-band & complex rigs: K2, K1, OHR 400/500...etc. \$50 + parts return



shipping/insurance included in repair fee.

Kit builds:

Simple rigs: Rock-Mites. SW/SW+, Wilderness NorCal 40's, PSK series, OHR monobanders...etc. \$25, return shipping/insurance included in build fee.

Complex mono-banders: NorCal 20, Redhot 20/40's...etc. \$50, return shipping/insurance included in build fee.

Multi-band & complex rigs: K2, K1, OHR 400/500...etc. \$100 (K2 accessories extra write me for details) return shipping/insurance included in build fee.

K2 mods and updates: depends on your needs please see:

[http://www.qsl.net/n0rc/elecraft\\_assm\\_and\\_mods/](http://www.qsl.net/n0rc/elecraft_assm_and_mods/)

for details, then contact me with any questions.

This is a limited time offer, I don't wish to start a full time business (not yet anyway), just want to earn enough to buy a DSWII and few other QRP goodies. When I have the required funds, the offer will expire.

73, Rod N0RC

-----  
Date: Fri, 11 Apr 2003 17:34:23 -0400  
From: "John" <jdorson@worldshare.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [148938] FS: Keyer  
Message-ID: <000701c30072\$2324ec80\$ad3a8d41@ATHOME>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Vectronics full featured electronic keyer uses pre-programmed microprocessor. Self completing dots and dashes. Front panel controls for volume, speed, on-off and function button. Runs on 9 volt battery.

Asking \$25.0 shipped in USA.

Thanks.  
John K2JHU...  
South Island Real Estate  
jdorson@worldshare.net

-----  
Date: Fri, 11 Apr 2003 17:55:31 -0400  
From: Steve.Lawrence@ITWFEG.COM  
To: Ed Tanton <n4xy@earthlink.net>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [148939] Re: OT - Re: MS Word question...  
Message-ID: <OFFFB41AB.D56ADC01-0N85256D05.0077A32D-85256D05.00787061@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Thanks Ed,  
I was trying too hard.  
I was thinking about opening the SAME document twice: one window in "outline view" and the second in "normal" or "print layout" view. In the Outline View window, collapse the document to see the outline only. In the second window expand the document and type to fill in and develop the details.

Here's how you do it in MS Word 2000....  
Open the document (or start a new document)  
Do a Window/New Window and a second window of the same document is opened.  
Now you can make one window "outline view" and the second "normal view" and changes to one window show up in the second instantly. Naturally you can arrange the windows to whatever layout suits you. Problems? The windows don't scroll together...

Steve  
aa8af

Ed Tanton <n4xy@earthlink.net>  
04/11/2003 03:10 PM

To: Steve.Lawrence@ITWFEG.COM  
cc:  
Subject: Re: OT - Re: MS Word question...

Hi Steve... it's embarrassingly simple: you use two files, one for the outline & one for the text. Open both of them. I like the outline on the left, so I put it there by hitting the full/partial screen button in the upper right corner. This reduces the screen without eliminating it entirely. You resize the screen to fit only that amount of screen required by your outline. Then open the other screen and do the same thing, placing it on the right, and expanding it as necessary to fit both on the screen. Should have thought of it myself-but I was trying to start from one screen and use choices within the one file. Works like a million.

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LM: ARRL QCWA AMSAT & INDEXA;  
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--Mark Twain  
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Date: Fri, 11 Apr 2003 16:59:31 -0500  
From: "Boulineau, Lee" <lee.boulineau@attws.com>  
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [148940] RE: Minimum power for skip  
Message-ID: <90B09553A615CE4192A646D8CFA67DA8428E9C@TX-MSG05-CCC.wireless.attws.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

A good person to ask about milliwatt levels of power is Ed Hare, W1RFI, who is one of the tech gurus at the ARRL - he is really in to low power!

72/73,

Lee N4MVL

-----Original Message-----  
From: Larry Cahoon [mailto:lejek@erols.com]  
Sent: Friday, April 11, 2003 3:29 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Minimum power for skip

Paul - you can easily go down into the milliwatt range. I have 10+ states=20  
worked at 2 mWatts with nothing more than a dipole. At the other end of=20  
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>  
>-----  
>Do you Yahoo!?  
>Yahoo! Platinum - Watch CBS' NCAA March Madness, live on your desktop!  
><http://platinum.yahoo.com>

-----  
Date: Fri, 11 Apr 2003 17:13:19 -0400  
From: Steven Weber <[kd1jv@moose.ncia.net](mailto:kd1jv@moose.ncia.net)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [148941] Plans for the AA1MY SPADDLE  
Message-ID: <3.0.6.32.20030411171319.007c75f0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Here are the plans to build an AA1MY SPADDLE:

<http://www.qsl.net/kd1jv/SPADDLE.HTM>

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

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End of QRP-L Digest 2887

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